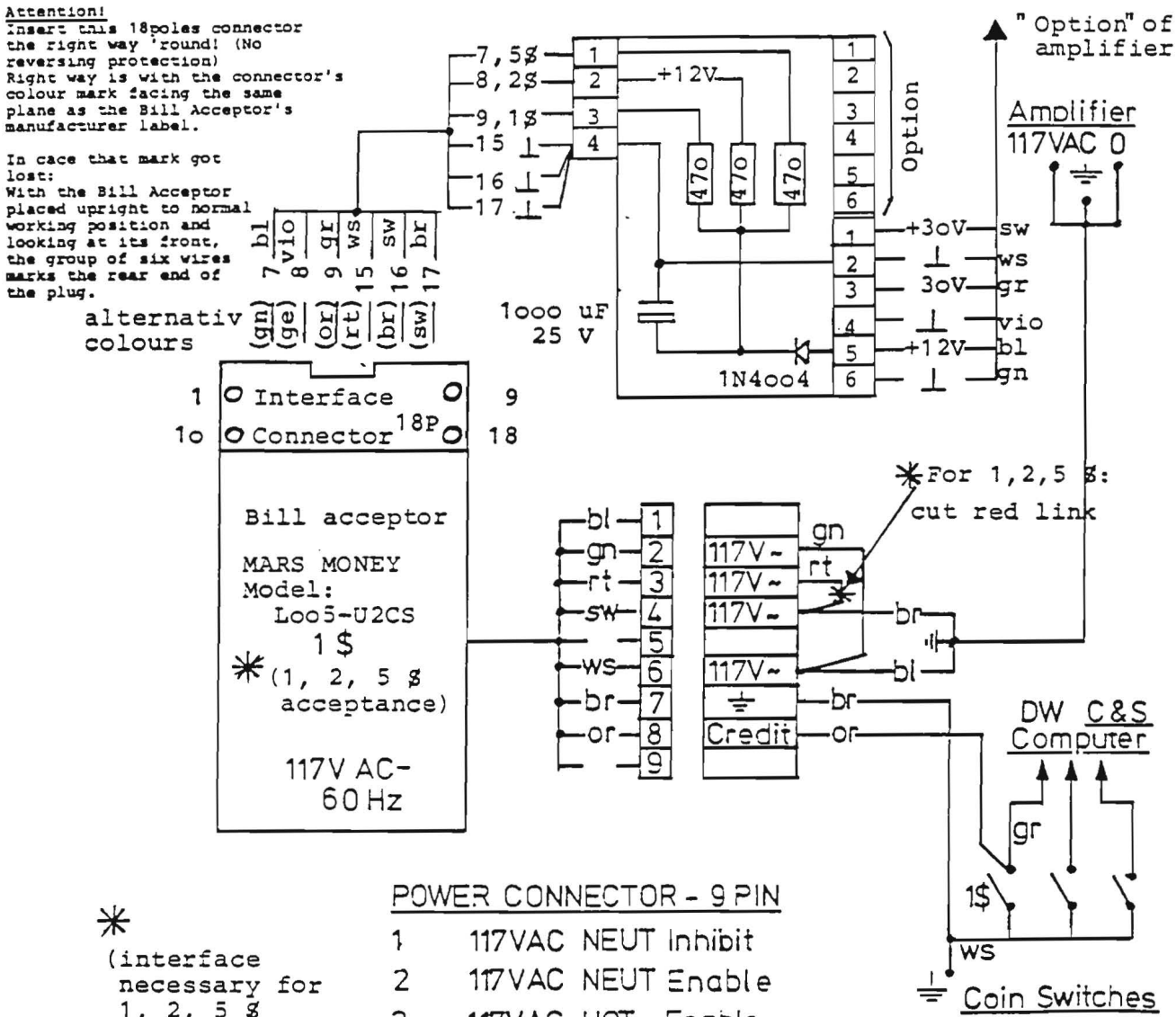
Phonograph with Bill Acceptor INTERFACE

SL600/SL800: MARS MONEY - Model: L005-U2CS
ONE MORE TIME: MARS MONEY - Model: L005 (without stacker)



* (interface necessary for 1, 2, 5 $ acceptance)

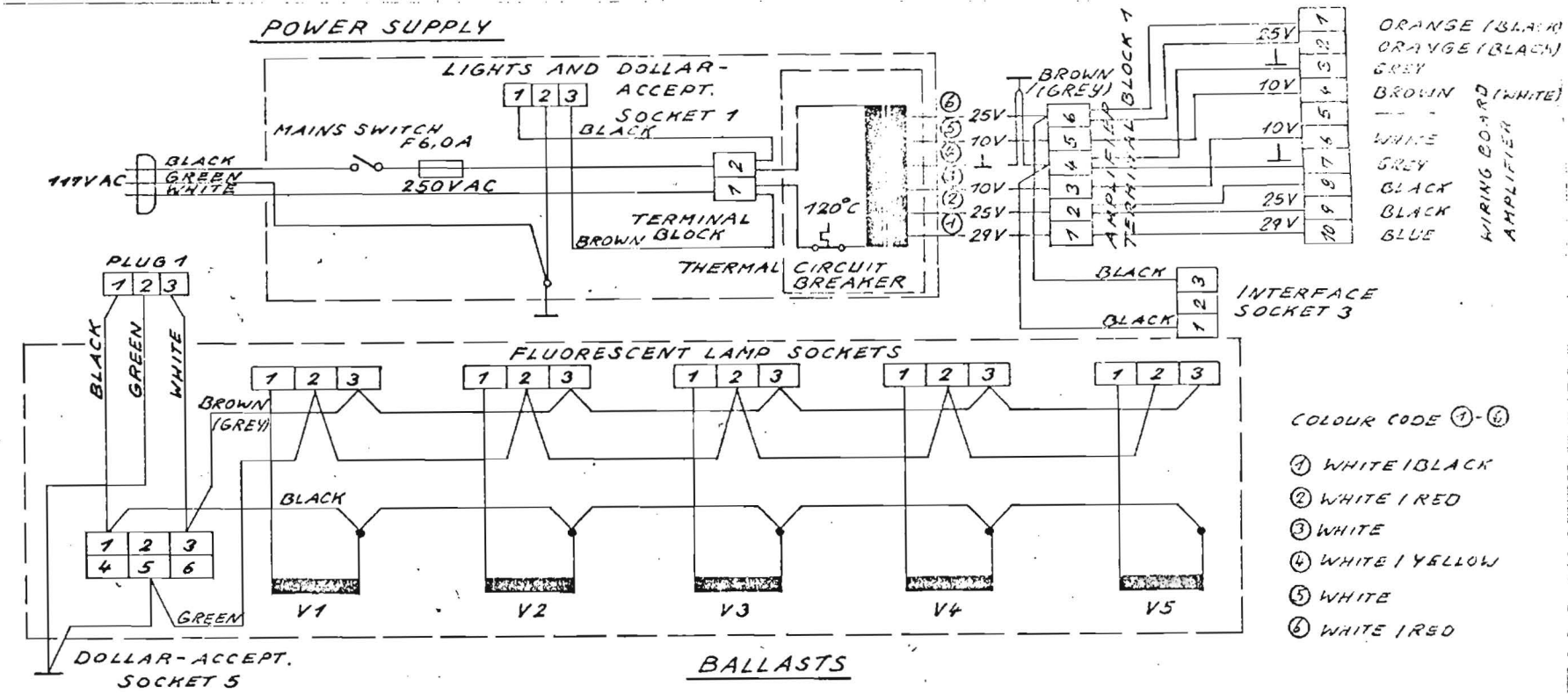
POWER CONNECTOR - 9 PIN

1	117VAC NEUT Inhibit
2	117VAC NEUT Enable
3	117VAC HOT Enable
4	117VAC HOT (Power)
5	No Connection
6	117VAC NEUT (Power)
7	CREDIT RELAY, Normally Open
8	CREDIT RELAY, Common
9	No Connection

Farbenkode: br=braun/brown gr=grau/grey sw=schwarz/black gn=grün/green
Colour code: bl=blau/blue or=orange/orange vi=violett/violet rt=rot/red
ge=gelb/yellow rs=rosa/pink ws=weiß/white

VI/86
Tie.

POWER SUPPLY



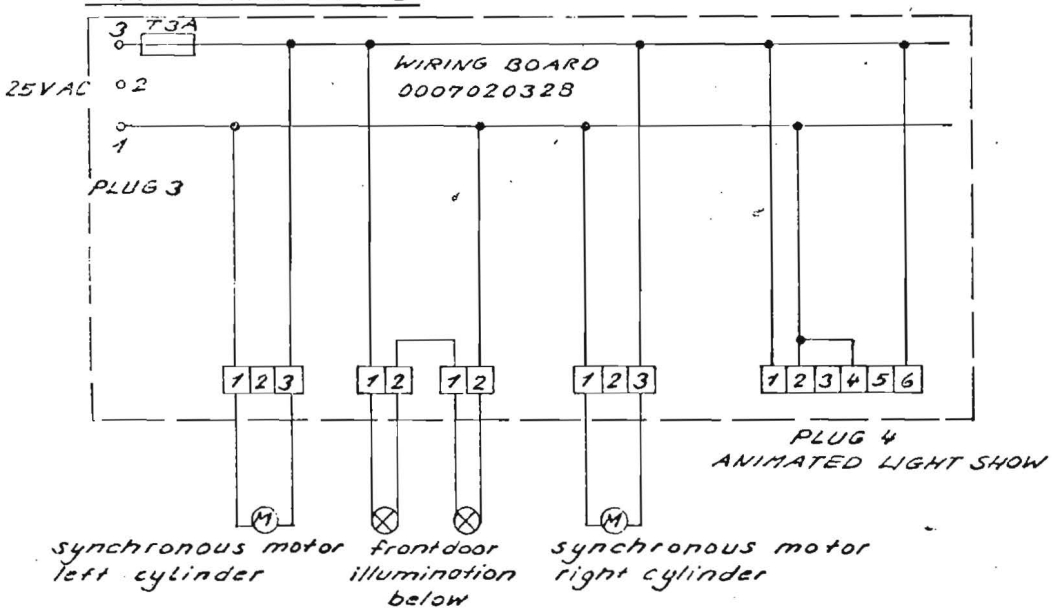
COLOUR CODE ①-⑥

① WHITE / BLACK
② WHITE / RED
③ WHITE
④ WHITE / YELLOW
⑤ WHITE
⑥ WHITE / RED

BALLASTS

V1-V5 ballast transformer 14-22 W
118 V - 60 Hz

INTERFACE 1015



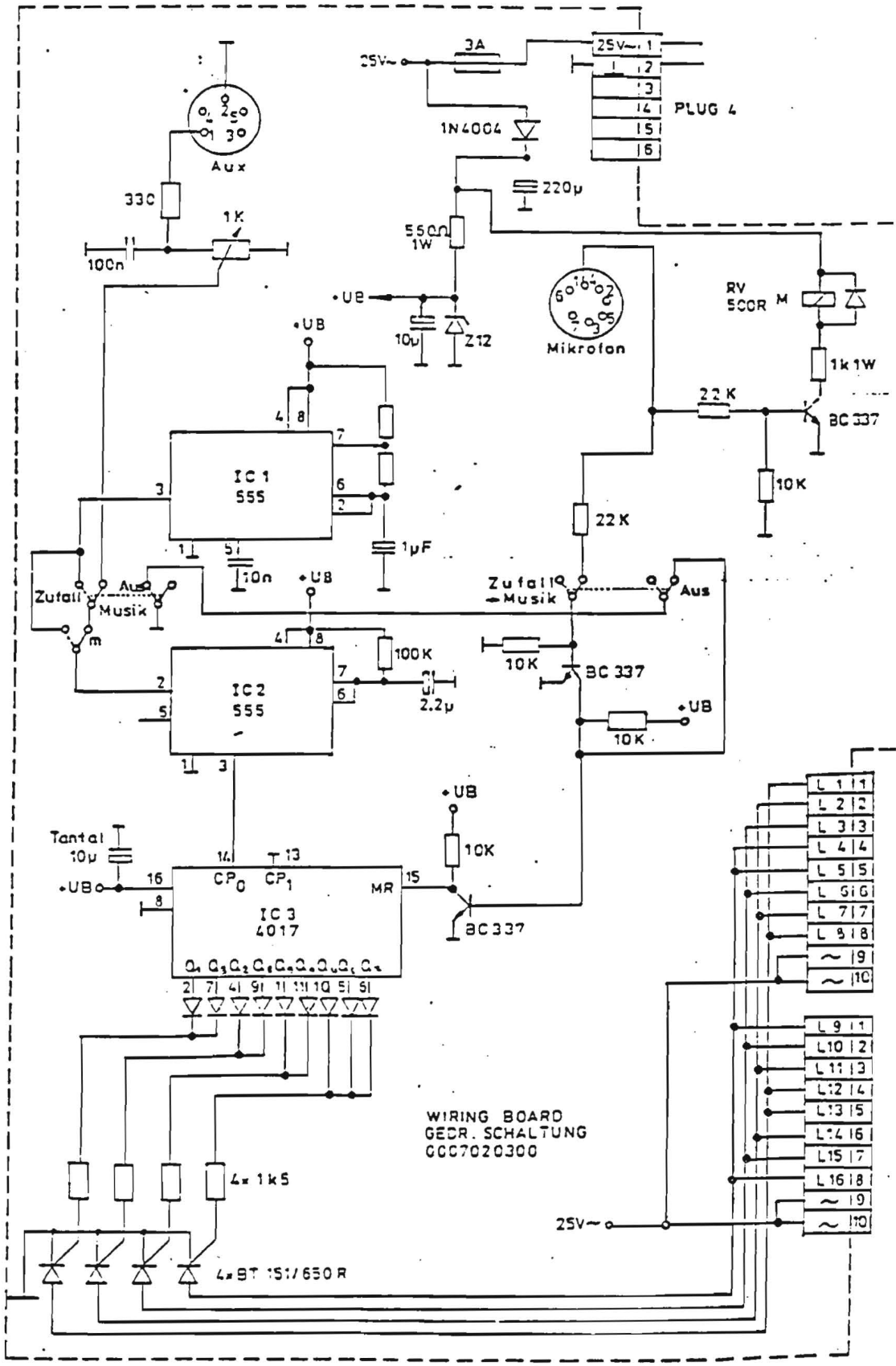
Art der Änderung			
Datum	8.10.86	Titel	POWER SUPPLY AND BALLASTS 1015 INTERFACE
Name	UL		
Blatt			

Gemäß Gesetz § 7 Abs. 1 wird darauf hingewiesen, daß Weitergabe oder Vervielfältigung dieser Unterlage sowie Verwertung ihres Inhaltes durch Entlohnung oder Dritte ist strafbar und wird gerichtlich verfolgt

WURLITZER
Deutsche Wurlitzer GmbH
D-4571 Hüllhorst

Zeichnungs-Nr. 48860.000-01 (3)

Zufall • Light control at random
Musik • Light control by rhythm



Ers.							
Ers. für:							
Ersatz für:							
Ersetzt durch:							
Gepr.							
Gez.	86						
Bearb.	8.10						
Gepr.							
Norm							
Maßstab	ohne						
Toleranzangabe							
DIN 7168 mittel							

DEUTSCHE WURLITZER GMBH. Hüllhorst

Benennung: Schaltplan Lichtorgel 7045 USA

Zeichnung-Nr.: 400 92.000-07 (3)

Maßstab, Werkstoff:

WIRING DIAGRAM
Animated Lightshow

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Oberfläche

Nr.

Datum

Name

Änderung

Index

ONE, TWO AND FIVE DOLLAR
CURRENCY VALIDATOR INTERFACE SPECIFICATION

D. Connector Information

1. Interface Connector - 18 Pin

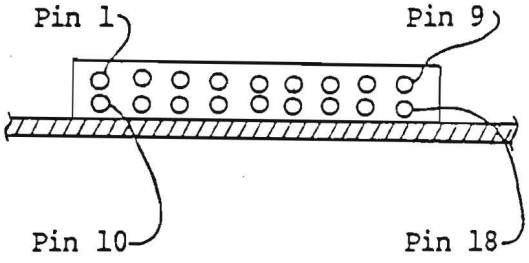
a. Pin-Out

Pin 1	$\overline{\text{\$1 CREDIT}}$	Pin 10	$\overline{\text{OUT-OF-SERVICE}}$
Pin 2	$\overline{\text{INTERRUPT}}$	Pin 11	$\overline{\text{Debug Data}}$
Pin 3	$\overline{\text{\$5 CREDIT}}$	Pin 12	$\overline{\text{ACCEPT ENABLE}}$
Pin 4	Ground	Pin 13	$\overline{\text{\$2 CREDIT}}$
Pin 5	$\overline{\text{DATA}}$	Pin 14	$\overline{\text{SEND}}$
Pin 6	ESCROW RETURN, High	Pin 15	$1 ENABLE, Low
Pin 7	$5 ENABLE, High	Pin 16	$2 ENABLE, Low
Pin 8	$2 ENABLE, High	Pin 17	$5 ENABLE, Low
Pin 9	$1 ENABLE, High	Pin 18	ESCROW RETURN, Low

b. Manufacturer Type

MATING CONNECTOR - AMP "MODU" 18 PIN
MT RECEPTABLE
AMP 102398-7 IDC PLUG
AMP 102536-7 BACK COVER
AMP 102681-4 LATCHING FRONT COVER

P1, INTERFACE CONNECTOR PIN PLACEMENT

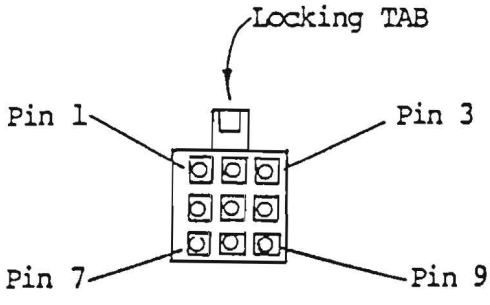


2. Power Connector - 9 Pin

a. Pin-Out

1	117 VAC NEUT Inhibit
2	117 VAC NEUT Enable
3	117 VAC HOT Enable
4	117 VAC HOT (Power)
5	No Connection
6	117 VAC NEUT (Power)
7	CREDIT RELAY, Normally Open
8	CREDIT RELAY, Common
9	No Connection

P2, POWER CONNECTOR PLACEMENT
(VALIDATOR SIDE)



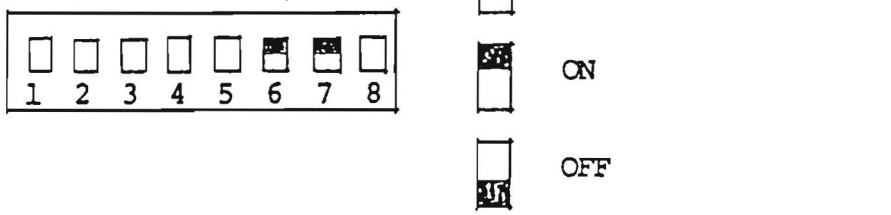
b. Manufacturer Type

MATING CONNECTOR - AMP "MATE-N'LOCK"
SHELL - AMP 172161-1 9 POSITION
PINS - AMP 170364-1 MALE
#22 GAUGE WIRE RECOMMENDED

E. Typical Interfaces

1. Low-Level Isolated

a. DIP Switch



b. Interface Connector

Pin 1	N/C	Pin 10	N/C
Pin 2	N/C	Pin 11	N/C
Pin 3	N/C	Pin 12	N/C
Pin 4	N/C	Pin 13	N/C
Pin 5	N/C	Pin 14	N/C
Pin 6	ESCROW RETURN, High	Pin 15	$1 ENABLE, Low
Pin 7	$5 ENABLE, High	Pin 16	$2 ENABLE, Low
Pin 8	$2 ENABLE, High	Pin 17	$5 ENABLE, Low
Pin 9	$1 ENABLE, High	Pin 18	ESCROW RETURN, Low

c. Power Connector

Pin 1	N/C	Pin 6	117 VAC NEUT (POWER)
Pin 2	N/C	Pin 7	Credit Relay Contact
Pin 3	N/C	Pin 8	Credit Relay Contact
Pin 4	117 VAC HOT (POWER)	Pin 9	N/C
Pin 5	N/C		

N/C = NO CONNECTION

ONE MORE TIME - Phonograph

Installation instructions for bill validator type: MARS MONEY - Model Loo5
(without stacker)

1. Remove bill cash box.
2. Unscrew two stop-nuts (fig. 1, no. 1) with wrench 7 mm to remove validator holder.
3. Remove U-shaped-aluminium back cover, from validator fixed with one philips head srew at bill exit side.
4. Remove from validator front diecast plate.
5. If electronic module on validator mounted in pos.(a), fig. 5, undo mounting srews, remove bracket and fix in pos.(b) without bracket.
6. Mount bill validator (fig. 1, no. 2) into holder.
7. Mount metal plate with 4 self-tapping srews shown in fig. 6.
8. Remove WURLITZER logo by unscrewing six sheet-metal screws. Cut out marked area in WURLITZER logo.
9. Cut or saw decorative part around logo at marked position (dimensions 75 x 15 mm = 3"·19/32") and remove (fig. 3).
10. Fit decorative cover (in spare parts bag) with sheet-metal screws supplied, reinstall logo.
11. Fit complete assembly and tighten two stop-nuts.
12. Remove carefully both labels from diecast front plate. Cut the insert label as shown in fig. 4 and stick to decorative cover.
13. Install bill cash box.

Fig.1

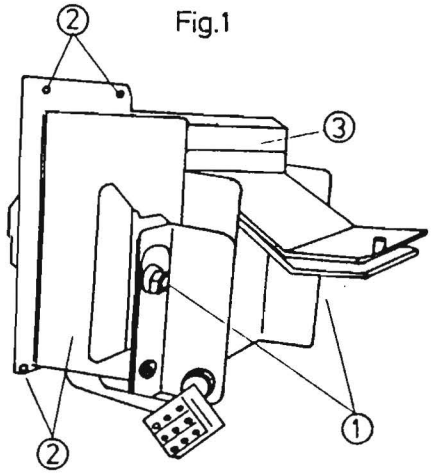


Fig.2

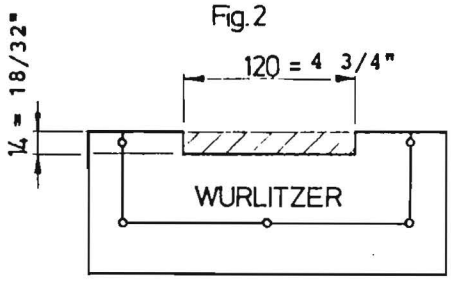


Fig.4

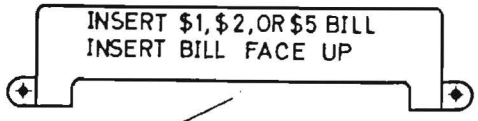
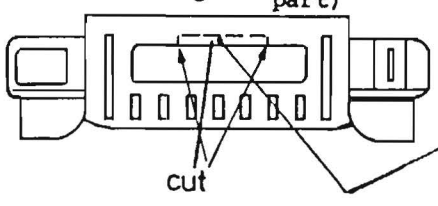


Fig.3 (decorative part)



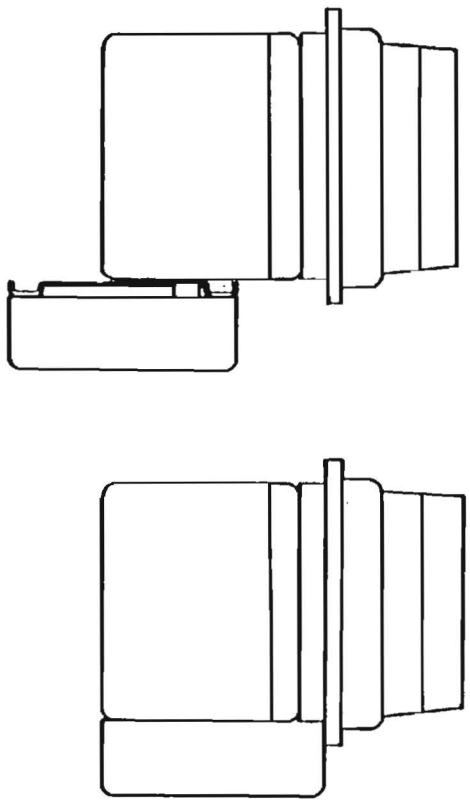
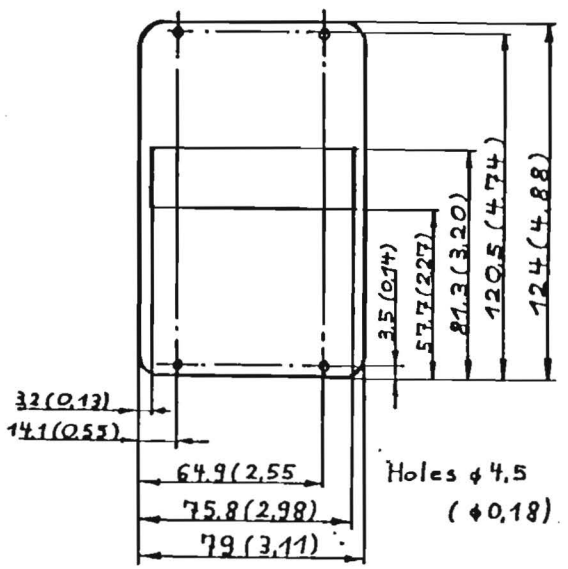

a
b

Fig. 5

Fig. 6


3,5 (0,14)
57,7 (2,27)
81,3 (3,20)
120,5 (4,74)
124 (4,88)
3,2 (0,13)
14,1 (0,55)
64,9 (2,55
75,8 (2,98)
79 (3,11)
Holes ϕ 4,5
(ϕ 0,18)

Liste der elektronischen Bauteile - List of electronic parts

Pos.-Nr.	Benennung / Denomination	Bestelldaten / Producers Code	Art.-Nr. Part No.
D 1, 74, 75	Leuchtdiode / LED 50 mA rot	Valvo C Q Y 24	00 04 050 018
D 2	Diode Si Z 5 V 6 1,3 W		00 04 050 022
D 3, 8 - 12, 14 - 24, 24 - 36, 38 - 73, 78, 79, 89 - 94	Diode Si 100 V 150 mA	ITT 1 N 4446/Siemens BAY 61	00 04 050 005
D 4 - 7	Diode Si 400 V 1 A	ITT 1 N 4004	00 04 050 009
D 25 - 33, 76, 77, 80 - 88	Diode Ge	AA 118	00 04 050 027
D 95	Diode Si Z 5 V 1 400 mA	ITT Z P D	00 04 050 023
C 1 - 3, 5, 17, 80	Kondensator 47 nF 32 V R 5		00 11 080 046
C 4	Elko 2200 µF 25 V R 45		00 11 060 090 (115)
C 7	Elko 220 µF 63 V R 35		00 11 060 021
C 8, 9, 23, 24, 27, 30, 31, 34 - 51, 54 - 59, 60 - 70	Kondensator 4,7 nF 100 V R 5		00 11 080 045
C 21	Elko 2,2 µF 16 V Tantal		00 11 060 163
C 22	Elko 220 µF 16 V R 22		00 11 060 039
C 25, 28, 29, 32, 33, 71	Kondensator 4,7 nF 400 V Keramik		
C 72 - 74	Kondensator 1 µF 100 V		
IC 3	IC 4-Nand-Gatter	Texas SN 7400 N	00 09 060 080
IC 4	IC Schwellwertschalter/Smith trigger	Motorola MC 14 093	00 09 060 095
IC 6	IC 4-Nand-Gatter	Motorola MC 14 011 P	00 09 060 071
IC 7	IC MPU Mikropr. Zentraleinheit	Motorola MC 6802 P	00 09 060 079
IC 8	IC PIA Mikropr. Ein- u. Ausgabeeinheit	Motorola MC 6821	00 09 060 064
IC 9 + 10	IC RAM Arbeitsspeicher	Intersil IM 6561	00 09 060 066
alternativ			
IC 12	IC RAM Arbeitsspeicher	Toshiba 5516 A PL 149	00 09 060 149
IC 11	IC ROM Programmspeicher MBox 2.5		40 30 400 200
IC 13	IC Dezimal-Decoder	Texas SN 7442 N	00 09 060 067
IC 14	IC 6-D-Flipflop	Motorola MC 14 174 B	00 09 060 070
IC 15	IC Spannungsregler/Voltage regulator 5 V	Motorola MC 7805 P	00 09 060 076
IC 17 - 19	IC Optokoppler	Motorola 4 N 28	00 09 060 062
IC 20	IC Dezimal-Dekoder	Texas SN 7445 N	00 09 060 073
IC 21 + 22	IC 8-Kanal-Multiplexer	Motorola MC 14 512 CP	00 09 060 072
IC 23	IC 7-Segment -Dekoder	Texas SN 7447 N	00 09 060 074
Q	Quarz HC 18 K, 4 MHz		00 17 010 001
R 1, 4, 23, 29, 41, 42, 53 - 55, 65 - 75,87,98	Widerstand/Resistor 4,7 KOhm 1/5 W 5% R 10		00 26 150 057
R 2, 3, 20, 76 - 86 88, 89, 100, 101	Widerstand/Resistor 22 KOhm 1/5 W 5% R 10		00 26 150 065
R 5, 7, 15, 17, 18, 21 44 - 48	Widerstand/Resistor 1 KOhm 1/5 W 5% R 10		00 26 150 049
R 6, 57, 60, 63	Widerstand/Resistor 150 Ohm		00 26 150 039
R 8, 30, 58, 61, 64, 99	Widerstand/Resistor 220 Ohm 1/5 W 5% R 10		00 26 150 041
R 9, 10, 11, 13, 14, 16 22, 26, 43, 90, 92	Widerstand/Resistor 10 KOhm 1/5 W 5% R 10		00 26 060 066
R 12, 19	Widerstand/Resistor 47 KOhm 1/5 W 5% R 10		00 26 150 069
R 27, 28, 32, 94, 97	Widerstand/Resistor 3,3 KOhm 1/5 W 5% R 10		00 26 150 055
R 31	Widerstand/Resistor 2,7 KOhm 1/5 W 5% R 10		00 26 150 054
R 33 - 37	Widerstand/Resistor 470 Ohm 1/5 W 5% R 10		00 26 150 045
R 38	Widerstand/Resistor 8,2 Ohm 1/5 W 5% R 10		
R 39, 40	Widerstand/Resistor 22 KOhm 1/5 W 5% R 10		00 26 150 065
R 49	Widerstand/Resistor 1,5 KOhm 1/2 W 5% R 15		00 26 040 006
R 50 - 52	Widerstand/Resistor 1,5 KOhm 1/5 W 5% R 10		00 26 150 051
R 56, 59, 62	Widerstand/Resistor 4,7 Ohm 1/5 W 5% R 10		00 26 150 021
R 91, 93	Widerstand/Resistor 560 Ohm 1/5 W 5% R 10		00 26 150 046
R 107	5-fach Widerstand/5-fold resistor 100 KOhm 1/8 W		00 26 130 573
R 108, 109	8-fach Widerstand/8-fold resistor 100 KOhm 1/8 W		00 26 130 873
Rel 1 - 4	Relais 12 V 1 A	Haller H 546 300 Ohm	00 18 010 043
BAT 1	Lithiumzelle	CR 2430	00 02 080 006
S 1	Schiebeschalter/Slide switch 1 U	Knitter MFP 221 N	00 20 460 030
S 2	Tastschalter/Push button	Schöller 4120	00 20 420 077
T 1 - 4, 17	Transistor Si npn	Siemens BC 338-40	00 23 110 055
T 5, 15, 16, 20, 21	Transistor Si npn	Siemens BC 238 B	00 23 110 051
T 6 - 8, 22	Transistor Si pnp	Siemens BC 327-25	00 23 110 053
T 9 - 13	Transistor Si npn	Siemens BC 337-25	00 23 110 056
T 14, 18	Transistor Si pnp	Siemens BC 308 B	00 23 110 054
	Kaltlei ter/PTC-resistor 1,8 Ohm 66 V		00 26 110 014